

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450



Ifla
PATENT

Re: Application : Jia-Chu Liu et al. **Case No.** : 88-2063A
Serial No. : 10/748,582 **Art Unit No.** : 1713
Filed : December 30, 2003 **Examiner** : William K. Cheung
For : LTMC Polymerization of Unsaturated Monomers

Enclosed are the following documents related to the above-identified application:

- | | |
|--|---|
| <input checked="" type="checkbox"/> (X) Return Receipt of Postcard | <input type="checkbox"/> () Request for Reconsideration |
| <input checked="" type="checkbox"/> (X) Certificate of Mailing Indicated Below | <input type="checkbox"/> () Declaration Under 37 CFR 1.131 |
| <input type="checkbox"/> () Preliminary Amendment | <input type="checkbox"/> () Declaration Under 37 CFR 1.132 |
| <input type="checkbox"/> () Assignment for Recordal | <input type="checkbox"/> () Terminal Disclaimer 37 CFR 1.321(b) |
| <input type="checkbox"/> () Information Disclosure Statement | <input type="checkbox"/> () Notice of Appeal Brief |
| Under 37 CFR 1.97(c) | <input checked="" type="checkbox"/> (X) Supplemental IDS |
| <input type="checkbox"/> () Associate Power of Attorney | <input type="checkbox"/> () Amendment After Allowance 37 CFR 1.312 |
| <input type="checkbox"/> () Response to Restriction Requirement | <input type="checkbox"/> () Issue Fee Transmittal |
| <input type="checkbox"/> () One Month Extension of Time Under | <input type="checkbox"/> () Certificate Under 37 CFR 3.73(b) |
| 37 CFR 1.136 (fee noted below) | <input type="checkbox"/> () Petition to Correct Inventorship |
| <input type="checkbox"/> () Reply Under 37 CFR 1.121 | Under 37 CFR 1.48 |
| <input checked="" type="checkbox"/> (X) Form PTO-1449 and cited references | <input type="checkbox"/> () Request for Corrected Filing Receipt |

The fee has been calculated as shown below:

CLAIMS AS AMENDED

| Claims Remaining After Amendment | | Highest No. | | Add'l | Fee |
|---|-------|------------------------|-----------------------|-------|-------------|
| | | Previously Paid for | Present Extra Rate | | |
| Total Claims: | minus | 20 | :x | | 0.00 |
| Ind. Claims: | minus | 3 | :x | | 0.00 |
| Fee for Petition of Extension of time (1 month see below) | | | | | 0.00 |
| TOTAL FEE DUE | | | | | 0.00 |

- ☒ (X) No additional fee is required.
- ☐ () Charge \$_____ to Deposit Account No. 01-2230. A duplicate copy of this sheet is enclosed.
- ☒ (X) Please charge any additional fees or credit overpayment to Deposit Account No. 01-2230.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail, with sufficient postage, in an envelope addressed to: Mail Stop: Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 2, 2005.

Linda J. Marchione
Name of Person Signing

Linda J. Marchione

Shao-Hua Guo

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Attorney for Applicants
Reg. No. 44,728
LYONDELL CHEMICAL COMPANY
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Newtown Square, PA 19073
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June 2, 2005
CUSTOMER NUMBER: 24114

88-2063A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Jia-Chu Liu et al.

Serial No.: 10/748,582

Filed: December 30, 2003

For: LTMC POLYMERIZATION OF UNSATURATED MONOMERS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450



: Group Art Unit: 1713

: Examiner: William K. Cheung

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

UNDER 37 C.F.R. § 1.97 (c)

Sir:

Applicants submit here a copy of the PCT International Search Report dated May 2, 2005, relating to the above-referenced patent application. Applicants believe the cited references in the International Search Report are relevant to the examination of this patent application. These references are listed on Form PTO-1449 and a copy of the non-patent and foreign applications are enclosed for your review.


Applicants believe that the Examiner should not change his allowance date of February 15, 2005, in view of this Supplemental IDS because the International Search Report also concludes that original claims 3-7, 10-16, and 23-24 are patentable.

Applicants respectfully ask the Examiner to consider the cited references.

Respectfully submitted,
Jia-Chu Liu et al.

By: Shao-Hua Guo

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Phone: (610) 359-6059
June 2, 2005
Customer Number 24114

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| Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office Rev. 7/89 | Attorney Docket: 88-2063A | Examiner: William K. Cheung |
| | Serial No.: 10/748,582 | Filing Date: 12/30/03 |
|  | Applicants: Jia-Chu Liu et al. | Group Art: 1713 |
| | For: LTMC Polymerization of Unsaturated Monomers | Date: 6/2/2005 |

U.S. PATENT DOCUMENTS

| Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date if appropriate |
|------------------|----|-------------------|----------|-------------|-------|----------|----------------------------|
| | AA | 5,175,326 | 12/29/92 | Klabunde | 556 | 138 | 4/10/91 |
| | AB | US2003/0171209 A1 | 9/11/03 | Wang et al. | 502 | 117 | 3/8/02 |
| | AC | 6,844,402 | 1/18/05 | Liu et al. | 526 | 134 | 12/11/03 |
| | AD | | | | | | |
| | AE | | | | | | |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|----|--------------|----------|---------------------------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | AL | WO 95/04759 | 16.02.95 | PCT | | | X | |
| | AM | WO 99/58578 | 18.11.99 | PCT | | | X | |
| | AN | EP 1136122 | 26.09.01 | Europe | | | X | |
| | AO | WO 01/07492 | 01.02.01 | PCT (Abstract in English) | | | | X |
| | | | | | | | | |

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

| | |
|----|---|
| AR | Gonglu Tian et al., <i>Neutral Palladium Complexes as Catalysts for Olefin-Methyl Acrylate Copolymerization: A Cautionary Tale</i> , <i>Macromolecules</i> , Vol. 34, No. 22, 2001, pp. 7656-7663 |
| AS | <i>International Patent Classification, Section C Chemistry</i> ; Metallurgy, Seventh Edition (1999), World Intellectual Property Organization |
| AT | |

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| | | Page 2 of 2 |
| Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office Rev. 7/89 | Attorney Docket: 88-2063A | Examiner: William K. Cheung |
| | Serial No.: 10/748,582 | Filing Date: 12/30/03 |
| LIST OF PRIOR ART CITED BY APPLICANT | Applicants: Jia-Chu Liu et al. | Group Art: 1713 |
| | For: LTMC Polymerization of Unsaturated Monomers | Date: 6/2/2005 |

U.S. PATENT DOCUMENTS

| Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date if appropriate |
|------------------|----|-----------------|------|------|-------|----------|----------------------------|
| | AA | | | | | | |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|--|----|--------------|----------|---------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | AL | WO 01/92354 | 06.12.01 | PCT | | | X | |
| | AM | 10007719 | 13-01-98 | JAPAN | | | X | |
| | AN | | | | | | | |
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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